

AMENDMENTS TO THE CLAIMS

Claim 1. (currently amended): A card processor comprising:

a card carrier passage comprising in which a plurality of pairs of carrier rollers, are arranged in a direction in which a card is carried being held thereby; said plurality of pairs of carrier rollers being arranged to hold a card being carried in said passage and said plurality of pairs of carrier rollers including at least a first pair of carrier rollers and a second pair of carrier rollers;

a first sensor for detecting the card, said first sensor being provided between an exterior opening of said card carrier passage and said first pair of carrier rollers;

a second sensor for detecting the card, said second sensor being provided after said first pair of carrier rollers;

a card carriage controller, responsive to said sensors, for controlling carriage of the card in said card carrier passage by controlling the rotation of said carrier rollers; and

a card data reader for reading the card data recorded in the card which is carried in said card carrier passage, [[:]] said card data reader being provided after said second pair of carrier rollers;

wherein

when said first sensor detects the card, said card carriage controller causes said carrier rollers to rotate in a forward direction until said second sensor detects the card;

after said second sensor detects the card, the card carriage controller causes said carrier rollers to repeatedly briefly rotate in a forward direction and briefly stop, until said first sensor does not detect the card;

after said first sensor does not detect the card, the card carriage controller causes said carrier rollers to rotate forward to carry the card up to a storage portion of said card processor.

~~said card carriage controller rotates the carrier rollers in a forward direction in which the card is carried into the interior of the main body until the card inserted in the card carrier passage through an insertion port is held by a pair of carrier rollers closest to the insertion port;~~

~~after the card is held by the pair of carrier rollers closest to the insertion port, the carrier rollers are rotated in the forward direction and stopped repetitively, so that the card is taken in by a predetermined length by the main body; and~~

~~after the card is taken in by the predetermined length by the main body, the carrier rollers are rotated forward to carry the card up to a storage portion in the main body.~~

Claim 2. (currently amended): The card processor according to claim 1, wherein

after said second sensor detects the card, the card carriage controller causes said carrier rollers to briefly rotate in a reverse direction after each stop, until the first sensor does not detect the card;

~~the carrier rollers are rotated in the forward direction and in the reverse direction,~~
~~instead the carrier rollers are rotated in the forward direction and stopped.~~

Claim 3. (currently amended): A card processor comprising:

a card carrier passage comprising in which a plurality of pairs of carrier rollers
arranged to hold a card being carried in said passage; ~~are arranged in a direction in~~
~~which a card is carried being held thereby;~~

a card carriage controller for controlling carriage of the card on said card carrier
passage by controlling the rotation of said carrier rollers; and

a card data reader for reading the card data recorded in the card that is carried along
said card carrier passage;

wherein

said card carriage controller rotates the carrier rollers in a forward direction in
which the card is carried into the interior of a the main body of the card
processor until the card inserted in the card carrier passage through an insertion
port is held by a pair of carrier rollers closest to the insertion port;

after the card is held by the pair of carrier rollers closest to the insertion port, the
card is taken in by a predetermined length by the main body while varying the
rotational speed of the carrier rollers[[:]] and stopping said carrier rollers; and

after the card is taken in by the predetermined length by the main body, the carrier rollers are rotated forward to carry the card up to a storage portion in the main body.

Claims 4-5. (cancel):

Claim 6. (original): The card processor according to claim 3, further comprising:

a first sensor for detecting the card, the first sensor being provided for the pair of carrier rollers closest to the insertion port on the side of the insertion port;

wherein when the card is detected by said first sensor, said card carriage controller starts rotating the carrier rollers in the forward direction.

Claims 7-8. (cancel):

Claim 9. (original): The card processor according to claim 3, further comprising:

a second sensor for detecting the card, the second sensor being provided neighboring the pair of carrier rollers closest to the insertion port but on the side opposite to the insertion port;

wherein when the card is detected by said second sensor, said card carriage controller determines that the card is held by said pair of carrier rollers.

Claims 10-11. (cancel):

Claim 12. (original): The card processor according to claim 3, further comprising:

a first sensor for detecting the card, the first sensor being provided for the pair of carrier rollers closest to the insertion port on the side of the insertion port; and

a second sensor for detecting the card, the second sensor being provided neighboring the pair of carrier rollers closest to the insertion port but on the side opposite to the insertion port;

wherein

when the card is detected by said first sensor, said card carriage controller starts rotating the carrier rollers in the forward direction,

when the card is detected by said second sensor, said card carriage controller determines that the card is held by said pair of carrier rollers, and

when said card is not detected by said first sensor but is detected by said second sensor, said card carrier controller determines that the card has been taken in by a predetermined length by the main body.

Claim 13. (currently amended): A card processor comprising:

a card carrier passage in which a plurality of pairs of carrier rollers are arranged in a direction in which a card is carried being held thereby;

a card carriage controller for controlling the carriage of card on said card carrier passage by controlling the rotation of said carrier rollers; and

a card data reader for reading the card data recorded in the card that is carried along said card carrier passage;

wherein while discharging the card, the card carriage controller rotates the carrier rollers in a discharge direction until the card passes through a pair of carrier rollers closest to an insertion portion, then the carriage controller repeatedly briefly rotates the carrier rollers in the discharge direction and stops, until the card has been discharged from a main body of the card processor by a predetermined length of the card.

~~when the card is being held by the pair of carrier rollers closest to the insertion portion at the time when the card is being discharged, said card carriage controller rotates the carrier rollers in a direction in which the card is discharged and stops repetitively, so that the card is discharged from the main body by a predetermined length.~~

Claim 14. (cancel):

Claim 15. (original): The card processor according to claim 13, wherein when the card is discharged from the main body by a predetermined length at the time of discharging

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the card, said card carriage controller rotates the carrier rollers in the direction in which the card is discharged.

Claim 16. (cancel):